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Meetings and Symposia

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MEETINGS AND SYMPOSIA

The 2nd Symposium on Joint Project of Chemical Synthesis Core Research Institutions

“Chemical Synthesis toward Creation of Functional Materials”

Organized by OZAWA, Fumiyuki
15–16 January 2007 (Kyoto, Japan)

The 2nd International Workshop for Far East Asian Young Rheologists

Organized by WATANABE, Hiroshi (Kyoto University); SAKURAI, Shinichi (Kyoto Institute of Technology); AHN, Kyung Hyun (Seoul National University); YU, Wei (Shanghai Jiao Tong University)
26–28 January 2007 (Kyoto, Japan)

Mini-workshop on Ion Beam Cooling/Low Energy Storage Ring and Related Topics

Organized by NODA, Akira
13–14 February 2007 (Kyoto, Japan)

The Pharmaceutical Society of Japan 127th Annual Meeting “Drug Discovery Driven by Chemical Biology”

Organized by UESUGI, Motonari
28–30 March 2007 (Toyama, Japan)

ICR Mini Workshop

“Phase Separation in Thin Films of Polymer Blends”

Organized by KANAYA, Toshiji
3 April 2007 (Kyoto Japan)

The ICR International Symposium 2007 (ICRIS'07) “The Science and Technology of Well-Controlled Polymer Assemblies”

Organized by FUKUDA, Takeshi
11–13 June 2007 (Kyoto, Japan)

Oral Presentations

Prof BUBACK, Michael
Institute for Physical Chemistry, University of Goettingen, Germany
“Pulsed Laser Experiments for Detailed Studies into Free-Radical Polymerization Kinetics”

Prof YAMAGO, Shigeru
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Recent Advances in Organoheteroatom-Mediated Living Radical Polymerization”

Prof YUSA, Shin-ichi
Graduate School of Engineering, University of Hyogo, Hyogo, Japan
“Thermo-responsive Diblock Copolymers Synthesized via Organotellurium-mediated Controlled Radical Polymerization (TERP)”

Prof ASANDEI, D. Alexandru
Institute of Materials Science and Department of Chemistry, University of Connecticut, USA
“Complex Polymer Synthesis by Late and Early Transition Metal Catalyzed Living Radical and Ring Opening Polymerizations”

Prof FUKUDA, Takeshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“New Development of Concentrated Polymer Brushes”

Prof ZHAO, Bin
Department of Chemistry, University of Tennessee, USA
“Synthesis and Nanoscale Phase Separation of Well-defined Mixed Homopolymer Brushes on Silica Particles”

Prof KIMURA, Tsunehisa
Department of Forest and Biomaterials Science, Kyoto University, Kyoto, Japan
“Magnetic Alignment and Patterning of Feeble Magnetic Materials”

Prof TANIGUCHI, Takashi
Department of Polymer Science and Engineering, Yamagata University, Yamagata, Japan
“Orientation Dynamics of Lamellae of Block Copolymer under an Electric Field”

Prof HORII, Fumitaka
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Disordered Structure of Polymer Materials as Revealed by High-Resolution Solid-State NMR Spectroscopy”

Prof LAUPRÊTRE, Françoise
Institut de Chimie et des Matériaux Paris Est, Centre National de la Recherche Scientifique, France
“Structure and Dynamics of Polymer Chains in Polymer Nanocomposites”

Prof BONAGAMBA, J. Tito
Instituto de Física de São Carlos, Universidade de São Paulo, Brazil
“Structural and Dynamical Properties of PEO-based Nanocomposites Studied by Advanced Solid-state NMR Methods”

Prof MATYJASZEWSKI, Krzysztof
Center for Macromolecular Engineering, Carnegie Mellon University, USA
“Nanostructured Functional Materials via ATRP with ppm Amounts Copper”

Prof WU, Wen Li
Polymers Division, National Institute of Standards and Technology, USA
“Mechanical Properties in Polymeric Nanoscale Line Gratings”

Prof BALSARA, Nitash
Department of Chemical Engineering, University of California, USA
“Block Copolymer Electrolytes for Lithium Battery Applications”

Prof SAKURAI, Shinichi
Graduate School of Engineering, Kyoto Institute of Technology,
Kyoto, Japan
“Microdomain Orientation in Chelate-Doped Block Copolymers
with High Magnetic Field”

Prof AIDA, Takuzo
JST ERATO-SORST NANOPACE PROJECT & Department of
Chemistry & Biotechnology, School of Engineering, The University
of Tokyo, Tokyo, Japan
“Graphitic Nanotubes by Programmed Self-assembly”

Prof YOKOZAWA, Tsutomu
Department of Material and Life Chemistry, Kanagawa University,
Kanagawa, Japan
“Polymer Architecture from Chain-growth Condensation Polym-
erization and Its Self-assembly”

Prof WATANABE, Junji
Department of Organic and Polymeric Materials, Tokyo Institute
of Technology, Tokyo, Japan
“Temperature-induced Reversible Distortion along the Director
Observed for Monodomain Nematic Elastomer of Cross-linked
Main-chain Polyester”

Prof NISHIDA, Koji
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Lower and Upper Critical Solution Temperature Type of Phase
Separation in Aqueous Mixture of Polyelectrolytes”

Prof TAKAHARA, Atsushi
Institute for Materials Chemistry and Engineering, Kyushu
University, Fukuoka, Japan
“Characterization of Ultrahydrophobic and Ultrahydrophilic
Polymer Surfaces through Precise Surface Structure Design”

Prof BUCHNALL, David
Polymer, Textile and Fiber Engineering, Georgia Institute of
Technology, USA
“Phase Behaviour of Novel Miktoarm Star Terpolymers”

Prof DOI, Masao
Department of Applied Physics, The University of Tokyo, Tokyo,
Japan
“Micro-Meso Modeling of Polymer Adhesions”

Prof MASUBUCHI, Yuichi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Entangled Polymer Dynamics Described by Primitive Chain
Network Model”

Prof YU, Wei
Department of Polymer Science and Engineering, Shanghai Jiao
Tong University, China
“Morphology of Polymer Blends with Slip Viscous Interface”

Poster Presentations

DEI, Satoshi, and MATSUMOTO, Akikazu
Graduate School of Engineering, Osaka City University, Osaka,
Japan
“Thermochromism of Polydiacetylene with a Hysteresis Loop in
the Solid State and in Solution”

ONODERA, Katsuya, and MATSUMOTO, Akikazu
Graduate School of Engineering, Osaka City University, Osaka,
Japan
“Solid-State Polymerization of Muconic Ester Thin Films Fabri-
cated by Vapor Deposition”

KAWAHARA, Nobuo, SAITO, Junji, MATSUO, Shingo,
KANEKO, Hideyuki, MATSUGI, Tomoaki, and KASHIWA,
Norio
Research Center, Mitsui Chemicals, Inc., Chiba, Japan
“Synthetic Methodology for Well-defined Polymer Hybrids
Based on Polyolefins—Creation of New Polymer Materials—”

KANEKO, Hideyuki, SAITO, Junji, KAWAHARA, Nobuo,
MATSUO, Shingo, MATSUGI, Tomoaki, and KASHIWA, Norio
Research Center, Mitsui Chemicals, Inc., Chiba, Japan
“Creation of Polyolefin Hybrids by Using Controlled Radical
Polymerization”

MORITA, Hiroshi, MORISHITA, Yoshihiro, KANEKO, Daisaku,
and DOI, Masao
JST-CREST & Department of Applied Physics, The University
of Tokyo, Tokyo, Japan
“Dynamics of the Adhesion between Rubber Particle and Solid
Substrate—Using Molecular Dynamics Simulations and Experi-
ments—”

HATTORI, Shinya, YOKOYAMA, Yoshiro, FURONG, Tian,
and KOBAYASHI, Hisatoshi
Biomaterials Center, National Institute for Material Science,
Ibaraki, Japan
“Study of Cell-PGA/Collagen Nanofibers Composite Interaction”

KIMURA, Tsuyoshi, NAM, Kwangwoo, ONO, Tsutomu,
YOSHIZAWA, Hidekazu, FUJISATO, Toshiya, and KISHIDA,
Akio
Institute of Biomaterials and Bioengineering, Tokyo Medical and
Dental University, Tokyo, Japan
“Assembling of Hydrogen-Bonding-Polymers Using High Pressure
Technology”

NAM, Kwangwoo, KIMURA, Tsuyoshi, and KISHIDA, Akio
Institute of Biomaterials and Bioengineering, Tokyo Medical and
Dental University, Tokyo, Japan
“Development of Highly-ordered Structure Collagen Hydrogel I:
Controlled Amide Formation for Collagen Film in Ethanol/Water
Solutions”

NAKAMURA, Kenji, and SHIKATA, Toshiyuki
Graduate School of Science, Osaka University, Osaka, Japan
“Formation and Physicochemical Features of Hybrid Threadlike
Micelles in Aqueous Solution”

AOKI, Hiroyuki, KITAMURA, Masafumi, and ITO, Shinzaburo
Graduate School of Engineering, Kyoto University, Kyoto, Japan
“Nanosecond Dynamics of Dense PMMA Brush Studied by
Fluorescence Depolarization Method”

GOTO, Atsushi, HIRAI, Norihiro, WAKADA, Tsutomu, ZUSHI,
Hirokazu, TSUJII, Yoshinobu, and FUKUDA, Takeshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Germanium-, Tin-, and Phosphorus-Catalyzed Living Radical
Polymerizations of Styrene and Methacrylates”

OKAYASU, Kenji, TSUJII, Yoshinobu, OHNO, Kohji, and
FUKUDA, Takeshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Super Lubrication between Concentrated Polymer Brushes in
Good Solvent”

OHNO, Kohji, MORINAGA, Takashi, TSUJII, Yoshinobu, and
FUKUDA, Takeshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Synthesis and Applications of Silica Particles Grafted with
Concentrated Polymer Brush”

LADMIRAL, Vincent, MORINAGA, Takashi, OHNO, Kohji, TSUJII, Yoshinobu, and FUKUDA, Takeshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Synthesis of Zinc Sulfide Nanoparticles Grafted with Concentrated Polystyrene Brushes”

YOSHIKAWA, Chiaki, GOTO, Atsushi, KISHIDA, Akio, TSUJII, Yoshinobu, and FUKUDA, Takeshi
Biomaterials Center, National Institute for Materials Science, Ibaraki, Japan
“Protein Repellency of Concentrated Polymer Brushes Prepared by Surface-Initiated Living Radical Polymerization”

TAKADA, Akihiko
Institute for Material Science and Engineering, Kyushu University, Fukuoka, Japan
“Structure and Viscoelasticity of Wormlike Micellar Solutions under Steady Shear Flows”

KAJIWARA, Atsushi, and ARATA, Satoe
Nara University of Education, Nara, Japan
“ESR Study of Radical Polymerizations of Acrylates Using Model Radical Precursors Prepared by ATRP”

KAJIWARA, Atsushi, and NAKAJIMA, Hiroki
Nara University of Education, Nara, Japan
“ESR Study of Radical Polymerizations of Methacrylates Using Model Radical Precursors Prepared by ATRP”

KAYAHARA, Eiichi, KOTANI, Masashi, RAY, Biswajit, and YAMAGO, Shigeru
Graduated School of Science, Osaka City University, Osaka, Japan
“Development of Organobismuthine-Mediated Living Radical Polymerization”

TOGAI, Manabu, YAMADA, Takeshi, PAN, Na, and YAMAGO, Shigeru
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Synthesis of End-Functionalized Polymers by Reverse SBRP Method Using Various Azo-Compounds and Distibines”

TOSAKA, Masatoshi, KOHJIYA, Shinzo, and SENOO, Kazunobu
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Stress Relaxation during Strain-Induced Crystallization of Cross-Linked Natural Rubber”

KAWAHARA, Yutaka, MATSUMURA, Noriaki, NAKAYAMA, Atsushi, and TSUJI, Masaki
Department of Chemistry and Chemical Biology, Gunma University, Gunma, Japan
“Structure for E-Spun Silk Fibroin Nanofibers”

NAKAYAMA, Atsushi, KAWAHARA, Yutaka, and TSUJI, Masaki
Department of Biological and Chemical Engineering, Gunma University, Gunma, Japan
“Morphological Study on Electrospun Nanofibers of Polydioxanone”

YAMADA, Tomonori, KAJI, Hironori, and HORII, Fumitaka
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Molecular and Electronic Structure Analyses of *N,N'*-Diphenyl-*N,N'*-di(*m*-tolyl)benzidine by Solid-State NMR and Quantum Chemical Calculations”

LUO, Qing, SUZUKI, Shinji, KANIE, Yasumasa, KAJI, Hironori, HORII, Fumitaka, SHIMIZU, Tadashi, TANSO, Masataka, TAKEGOSHI, Kiyonori, NEMOTO, Takahiro, and MIZUNO, Takashi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Solid-State NMR Characterization of Structure and Hydrogen Bonding of Polymer Materials”

HIRAI, Asako, IKUNO, Masaya, HORII, Fumitaka, and TSUJI, Masaki
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Formation and Structure of Liquid Crystals in Aqueous Suspensions of Tunicate Cellulose Microfibrils”

KAJI, Hironori, MINO, Akira, YAMADA, Tomonori, and HORII, Fumitaka
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Solid-State ²⁹Si NMR Characterization of Poly(dimethylsilane) in the Mesophase”

PIAO, Guangzhe, KIMURA, Fumiko, TAKAHASHI, Tatsuhiro, MORITANI, Yoji, AWANO, Hiroshi, NIMORI, Shigeki, TSUDA, Kaoru, YONETAKE, Koichiro, and KIMURA, Tsunehisa
Tsukuba Magnet Laboratory, National Institute for Materials Science, Ibaraki, Japan
“Micropatterning and Stimulus Alignment of Carbon Nanotubes in Polymer Composites Using Modulated Magnetic Field”

YAMASHITA, Kohta, and NAKAOKI, Takahiko
Department of Materials Chemistry, Ryukoku University, Shiga, Japan
“Relation between Melting Behavior of Solvent and Morphology in Syndiotactic Polypropylene with Different Stereoregularity Gel”

INOUE, Rintaro, KANAYA, Toshiji, NISHIDA, Koji, and TSUJII, Yoshinobu
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Glass Transition Temperature of Polystyrene Thin Films”

KONISHI, Takashi, NISHIDA, Koji, and KANAYA, Toshiji
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Mesomorphic Phase of Poly(butylene-2,6-naphthalate)”

RAHMAN, Nelly, KAWAI, Takahiro, MATSUBA, Go, NISHIDA, Koji, KANAYA, Toshiji, NAKANO, Mitsuru, OKAMOTO, Hirofumi, KAWADA, Jumpei, USUKI, Arimitsu, HONMA, Nobutaka, NAKAJIMA, Katsuhiko, and MATSUDA, Masatoshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Crystallization of Poly(L-lactic acid) and Its Melting Behavior”

OGAWA, Hiroki, INOUE, Rintaro, KANAYA, Toshiji, NISHIDA, Koji, and MATSUBA, Go
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Phase Separation of Polystyrene/Poly(vinyl methyl ether) in Thin Film”

MATSUBA, Go, NISHIDA, Koji, and KANAYA, Toshiji
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Structural Formation Process of Polyethylene Blend with Ultra-High Molecular Weight Component”

KAWAGUCHI, Tatsuya, SHIMURA, Masaki, HONGO, Chizuru, NOGUCHI, Keiichi, OKUYAMA, Kenji, MIZUNO, Kazunori, and BÄCHINGER, P. Hans
Graduate School of Science, Osaka University, Osaka, Japan
“The Crystal Structure of the Collagen-Model Peptide, (Pro-Pro-Gly)₄-Hyp-Asp-Gly- (Pro-Pro-Gly)₄”

CHEN, Quan, YU, Wei, and ZHOU, Chixing
Department of Polymer Science and Engineering, Shanghai Jiao
Tong University, China
“Decomposition of Transient Stress in Viscoelastic Polymer Blends”

MATSUMIYA, Yumi, and WATANABE, Hiroshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Dielectric Behavior of *cis*-Polyisoprene in Carbon Dioxide
under High Pressure”

IWAMOTO, Tatsuya, WATANABE, Hiroshi, and TAKAHASHI, Y
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Rheo-SANS Behavior of Entangled Polybutadiene with Local
Label under Fast Shear Flow”

IWASHIGE, Tomohito, MATSUMIYA, Yumi, INOUE, Tadashi,
and WATANABE, Hiroshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Dielectric Relaxation and Dynamics of Poly(lactic acid) in
Carbon Dioxide at High Pressure”

SATO, Hiroki, MASUBUCHI, Yuichi and WATANABE, Hiroshi
Department of Applied Chemistry, Tokyo University of Agricul-
ture and Technology, Tokyo, Japan
“The Individual Rotational Dynamics of T4-DNA in Concen-
trated Aqueous Solutions”

UNEYAMA, Takashi
Graduate School of Science, Kyoto University, Kyoto, Japan
“Coarse-Grained Brownian Dynamics Simulation for Diblock
Copolymer Melts Based on the Soft Dumbbell Model”

WATANABE, Hiroshi
Institute for Chemical Research, Kyoto University, Kyoto, Japan
“Viscoelastic and Dielectric Behavior of a Polyisoprene/Poly(4-
tert-butyl styrene) Miscible Blend”

**The 2nd International Conference on Joint Project of Chem-
ical Synthesis Core Research Institutions**

**“Development of New Synthetic Methods and Creation of
Functional Molecules”**

Organized by NAKAMURA, Masaharu; OZAWA, Fumiyuki
7 August 2007 (Kyoto, Japan)

**Kyoto University 21st Century COE Program Genome Science
“Symposium of Bioinformatics and Chemical Genomics”**

Organized by KANEHISA, Minoru
20–21 September 2007 (Kyoto, Japan)

**The 4th Forum on Joint Project of Chemical Synthesis Core
Research Institutions**

“Recent Progress in Organometallic Chemistry”

Organized by OZAWA, Fumiyuki
7 November 2007 (Kyoto, Japan)

The 2nd Workshop on Organometallic Chemistry

Organized by OZAWA, Fumiyuki; MASHIMA, Kazushi; HOU,
Zhaomin
8–9 November 2007 (Wako, Japan)

Global COE on Kyoto University Alliance for Chemistry

“The 4th Organoelement Chemistry Seminar”

Organized by TOKITOH, Norihiro; SASAMORI, Takahiro;
MIZUHATA, Yoshiyuki; NAGAHORA, Noriyoshi
19–20 November 2007 (Kyoto, Japan)

**BMB2007 (The 30th Annual Meeting of MBSJ & the 80th
Annual Meeting of JBS)**

“Small-Molecule-Initiated Chemical Biology”

Organized by UESUGI, Motonari
11–15 December 2007 (Yokohama, Japan)